

PAT-NO: JP407154856A
DOCUMENT-IDENTIFIER: JP 07154856 A
TITLE: MOBILE TERMINAL AND MOBILE OBJECT SATELLITE
COMMUNICATION SYSTEM USING THE SAME
PUBN-DATE: June 16, 1995

INVENTOR-INFORMATION:

NAME
YOSHIMOTO, SHIGEHISA
SUZUKI, KENJI
HASE, YOSHIHIRO
IZAWA, ICHIRO
MORITA, HIDEO

ASSIGNEE-INFORMATION:

NAME	COUNTRY
YUUSEIDAIJIN	N/A
NEC CORP	N/A

APPL-NO: JP05297166

APPL-DATE: November 29, 1993

INT-CL (IPC): H04Q007/38, H04B007/15 , H04B007/26

ABSTRACT:

PURPOSE: To improve a working rate at the time of moving through frequent shadowing area by the mobile terminal of a mobile object satellite communication system.

CONSTITUTION: This mobile terminal calculates a present position from the signals of a GPS satellite in a position calculation circuit 132, predicts the position of a moving destination hereafter by a speed/acceleration sensor 138 and a bearing sensor 139, refers to the perspective map information of a communication satellite of a data base 133 and predicts a time band

when
communication with the communication satellite by an antenna 120
becomes
possible. The communicable time band can be also obtained from the
electric
field intensity of signals from the communication satellite received
by the
antenna 110 for lookahead provided in a part more in front than the
antenna
120. Message information and voice information are inputted and
turned to
digital data by an input/output part 180 and a voice encoder 172, are
tentatively stored in a transmission buffer memory 140 and are read
and
transmitted to the communication satellite when the predicted
communicable time
band is reached. At the time, when the data are divided into the
plural
packets of a prescribed unit communication time length, the working
rate is
further raised.

COPYRIGHT: (C)1995,JPO